

22. The method of Claim 21, wherein the maximal amounts of said growth factors range from about two times to one hundred times said minimal amounts.

23. The method of claim 22, wherein the maximal amounts of said growth factors range from about three times to one hundred times said minimal amounts.

24. The method of claim 21, wherein said avian PGCs are obtained from an avian of the genus Gallinecia.

B' 25. The method of claim 24, wherein said PGCs are chicken or turkey PGCs.

26. The method of claim 21, wherein said PGCs are maintained in culture for at least 14 days.

Sub C3 27. The method according to claim 26, wherein said PGCs are maintained in culture for at least 28 days.

28. The method according to claim 27 wherein said PGCs are maintained in culture for at least 4 months.

Sub C4 29. The method of claim 21, which further comprises:
(iv) transfecting or transforming the resultant PGCs and EG cells with a desired nucleic acid sequence.

30. A culture comprising avian PGCs and EG cells produced according to claim 21, which comprises said growth factors.

31. The culture of claim 30 wherein said PGCs are chicken or turney PGCs.

32. The culture of claim 30 wherein said PGCs are transfected with a heterologus DNA system.